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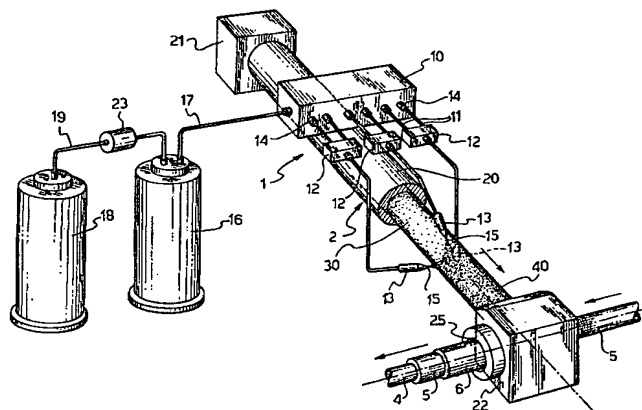
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(54) Title: METHOD AND PLANT FOR THE INTRODUCTION OF A LIQUID INTO A MOLTEN MASS UNDER PRESSURE



(57) Abstract: A method and plant (1) for the introduction of a liquid into a molten mass under pressure are described. Such a method and such a plant (1) are particularly but not exclusively suitable for the formation of a coating layer (5, 6, 7) on a cable element comprising at least one conductor (4), said layer (5, 6, 7) comprising an extruded thermoplastic polymer forming a continuous phase incorporating a dielectric liquid, and are useful, for example in the production of an electric cable (3) for the transportation and/or distribution of electrical power. The method comprises the steps of bringing the liquid to a predetermined pressure greater than the pressure of the molten mass; feeding the liquid into a plurality of storage tanks (12); and injecting the liquid into the molten mass at an injection pressure equal to the above-mentioned predetermined pressure by means of a plurality of injectors (13) in respective fluid communication with the plurality of storage tanks (12). Advantageously, this allows to accomplish a substantial continuity of delivery of the liquid in a technologically simple way and at low costs, while ensuring a dispersion as uniform as possible of the liquid within the molten mass.



*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*